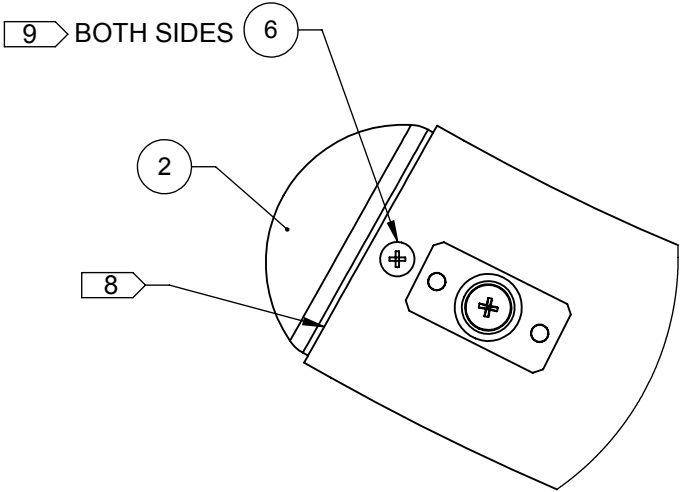
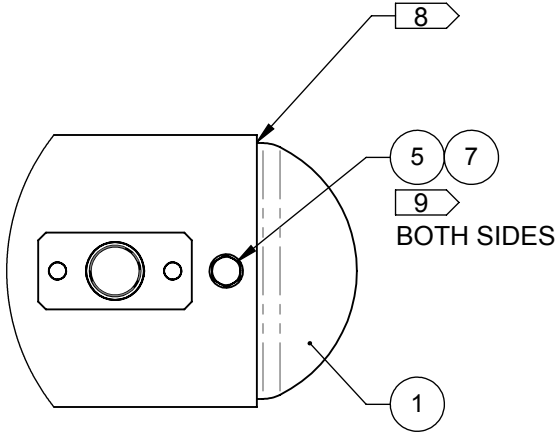


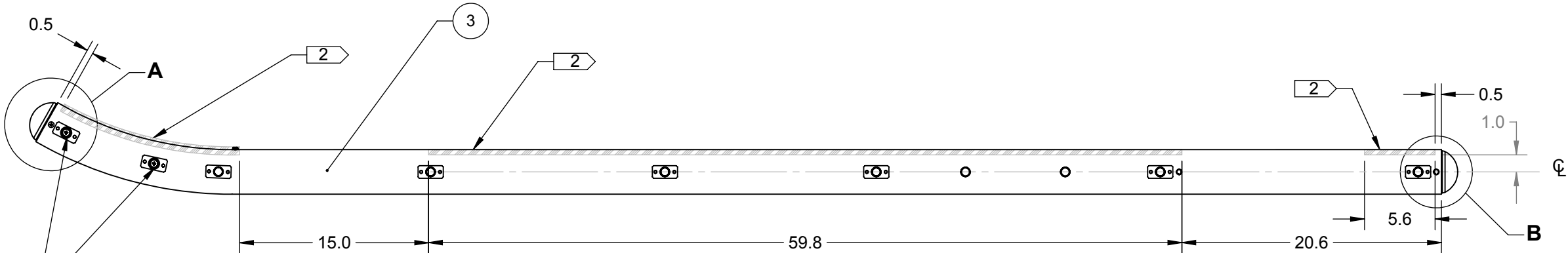
| ITEM | QTY -041 | P/N | DESCRIPTION |
|------|-------------|---------------|--------------------|
| | X | D4680-041 | SKIDTUBE |
| 1 | 1 | D2965 | CAP |
| 1 | 1 | D2965-3 | CAP |
| 3 | 1 | D4680-043 | SKIDTUBE SUB ASSY |
| 4 | 4 | D5364-047 | WELL NUT ASSY |
| 5 | 5 | AN3C5A | BOLT |
| 6 | 2 | AN526C1032R10 | SCREW |
| 7 | 2 | NAS1149C0332R | WASHER (AN960-10L) |



DETAIL A
SCALE 4X



DETAIL B
SCALE 4X



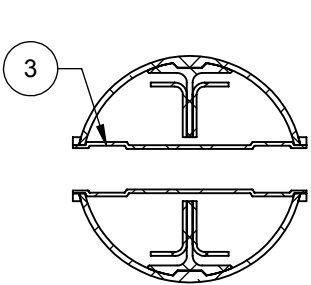
D4680-041 SKIDTUBE

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: PAINT TOP SURFACE OF SKIDTUBE WITH MIL-W-5044 ANTI-SKID PAINT (WING WALK) AS INDICATED TO 1.00 ABOVE CENTERLINE PER QSI 005 SECTION 4.4
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4680-041" AND B/N PER QSI 044 METHOD 6.4 ON INNER RADIUS OF SKIDTUBE BEFORE INSTALLING D2965 CAP
 - 7) WEIGHT: 18.56 lbs
 - 8) SEAL FAYING SURFACES WITH SIKAFLEX -241/-291 OR PROSEAL 890 OR MIL-S-8802 CLASS B-2 SEALANT
 - 9) INSTALL FASTENERS WET WITH SIKAFLEX -241/-291 OR PROSEAL 890 OR MIL-S-8802 CLASS B-2 SEALANT

PRELIMINARY ISSUE

| | | | |
|------------|--|---|--------------|
| E | GROUND HANDLING CROSSBOLT SPACERS NOW SWAGED, WAS WELDED. D3492-055 PLUG ASSY REPLACED WITH D5364-047 WELL NUT ASSY | AP | 15.11.02 |
| D | MOVED AFT GROUNDING FASTENER HOLE AFT 0.25 DUE TO INTERFERENCE, ADDED NOTE 9 (SHT 1), GROUNDING STRAP WASHERS NOW STAINLESS | AP | 15.03.04 |
| C | NAS1149F0332P WAS AN960-10L, AN526C1032R10 WAS AN526C1032-10, FWD GROUNDING STRAP FASTENER MOVED AFT (C5-3), Ø0.750 WAS Ø0.758 (B4-3). | AP | 14.07.29 |
| B | FWD CAP WAS D2965 NOW D2965-3, VARIOUS DIMENSIONAL CHANGES. D3492-055 PLUG ASSY WAS D3492-051, SWAGING DIMENSION NOW 0.650 WAS 0.661 (D6-2), ADDED DETAIL H (C2-3), MATERIAL D2962-150 WAS D2962-131 (A7-3), GROUND HANDLING THRU HOLES NOW WELDED, ADDED SECTION G-G (D3-2) | AP | 13.09.10 |
| A | NEW ISSUE | AP | 13.02.13 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN | AP | DART AEROSPACE USA, INC. KENT, WA | |
| DRAWN | AP | | |
| CHECKED | AJS | DRAWING NO. | REV. E2 |
| MFG. APPR. | DD | D4680 | SHEET 1 OF 3 |
| APPROVED | HS | TITLE | SCALE |
| DE APPR. | DS | SKIDTUBE | NTS |
| DATE | 15.11.02 | COPYRIGHT © 2013 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC. | |

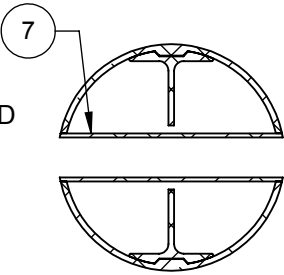
| ITEM | QTY -043 | P/N | DESCRIPTION |
|------|-------------|---------------|--------------------|
| | X | D4680-043 | SKIDTUBE SUB ASSY |
| 1 | 1 | D4680-1 | SKIDTUBE |
| 2 | 1 | D4681-041 | WEB ASSY |
| 3 | 8 | D4686-1 | SPACER |
| 4 | 16 | D4753-1 | DOUBLER |
| 5 | 2 | D5304-1 | SPACER |
| 6 | 3 | AELS-1032-130 | INSERT |
| 7 | 2 | AN3C4A | BOLT |
| 9 | 32 | MS20601AD4W3 | RIVET, BLIND, CSK |
| 10 | 3 | NAS1149C0332R | WASHER (AN960-10L) |



SECTION C-C

SCALE 4X
8 PL

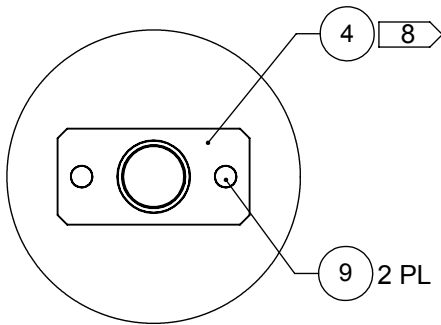
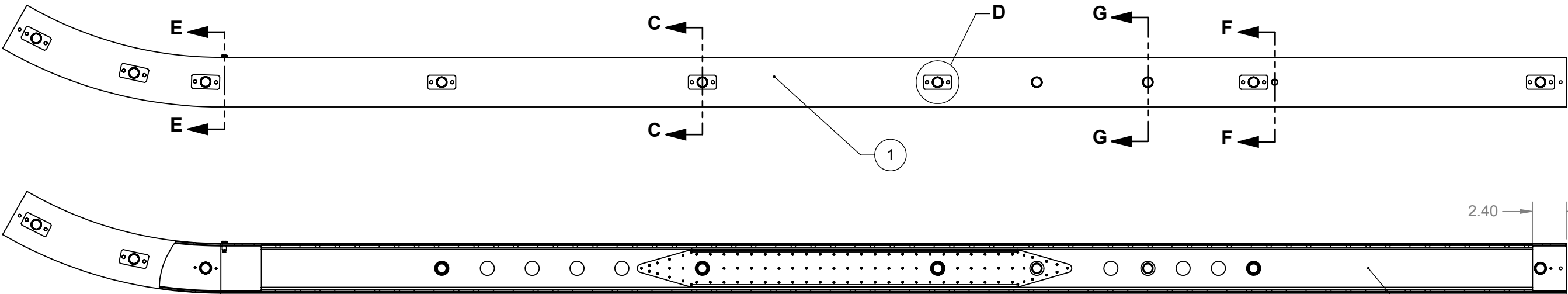
- INSTALL D4686-1 SPACER AS FOLLOWS (8 PL)
AFTER INSTALLING D4753-1 DOUBLERS PER DETAIL D
1. INSERT D4686-1 SPACER
 2. SWAGE TO $\varnothing 0.650 +0.010/-0.000 \times 1.0$
DEEP PER QSI 002
 3. TRIM/GRIND FLUSH PER QSI 002



SECTION G-G

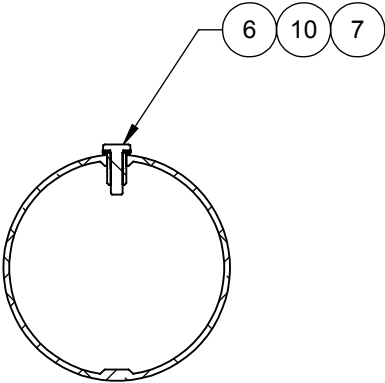
SCALE 4X
2 PL

- INSTALL D5304-1 SPACER AS FOLLOWS (2 PL)
1. INSERT D5304-1 SPACER
 2. SWAGE TO $\varnothing 0.565 +0.005/-0.000 \times 1.0$
DEEP PER QSI 002
 3. OPEN THRU HOLE TO $\varnothing 0.625$



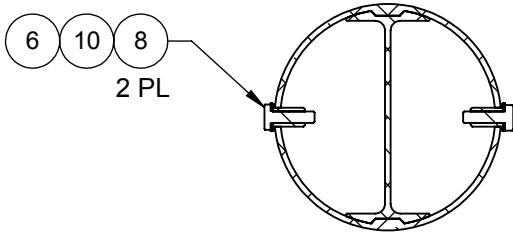
DETAIL D
16 PL (BOTH SIDES)
SCALE 4X

D4680-043 SKIDTUBE SUB ASSY



SECTION E-E

SCALE 2.5X



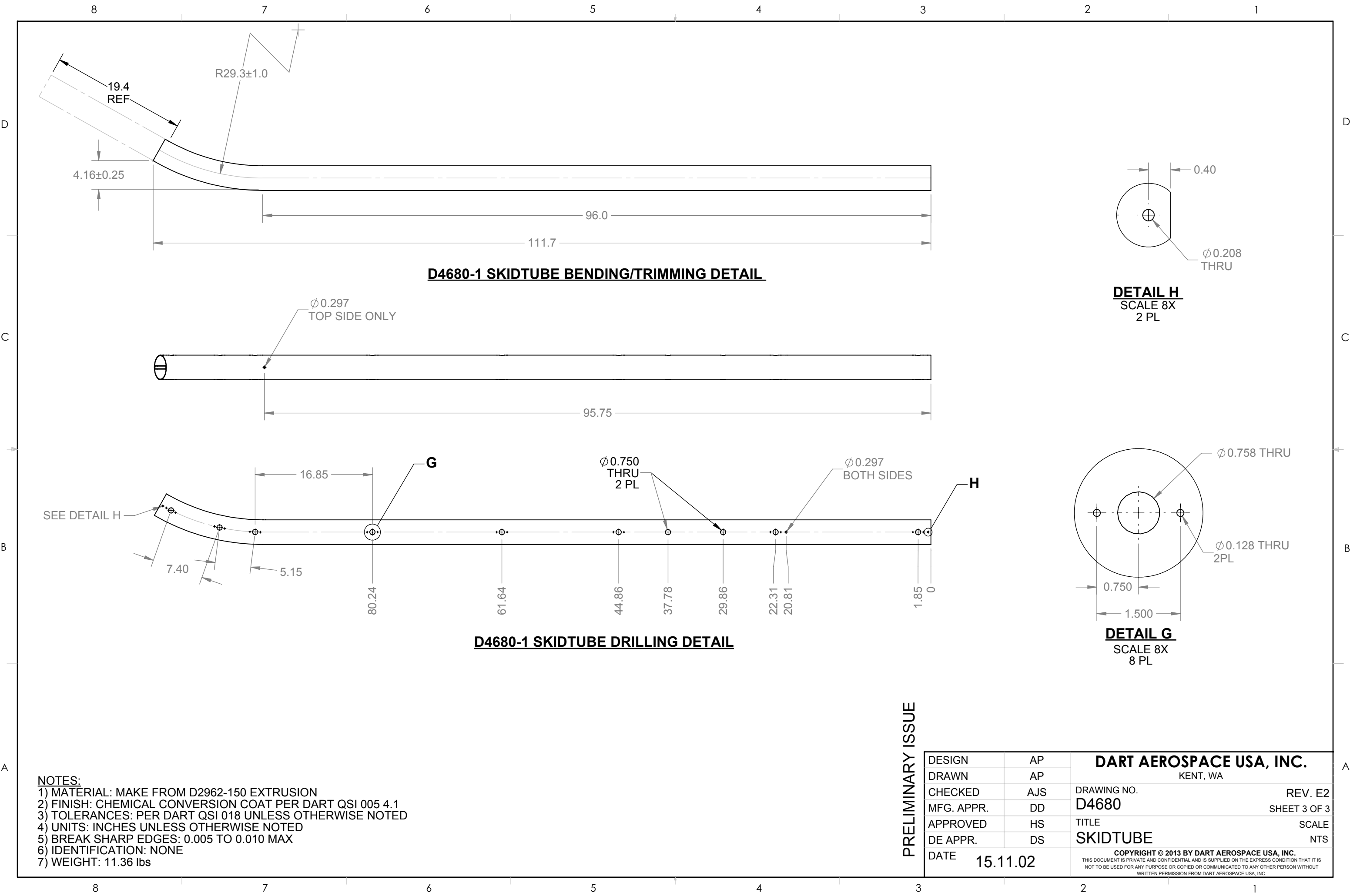
SECTION F-F

SCALE 2.5X

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: APPLY CHEMICAL CONVERSION COATING PER DART QSI 005 4.1 PRIOR TO INSTALLING D4681-041 WEB.
POWDER COAT WHITE (REF 4.3.5.1) PER DART QSI 005 4.3
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: NONE
 - 7) WEIGHT: 17.91 lbs
 - 8) SEAL ALL MATING SURFACES USING PROSEAL 890 OR MIL-S-8802 CLASS B2 SEALANT
 - 9) INSERT D4681-041 WEB INTO D4680-1 SKIDTUBE IN LOCATION SHOWN OFF AFT END OF SKIDTUBE AND BOND
WEB INTO OUTER TUBE WITH NON-STRUCTURAL SIKAFLEX -241/-291 ADHESIVE PER DART QSI 015
 - 10) INSTALL D4686-1 SPACER AFTER INSTALLING D4753-1 DOUBLERS

PRELIMINARY ISSUE

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| DRAWN | AP | | |
| CHECKED | AJS | DRAWING NO. D4680 | REV. E2 SHEET 2 OF 3 |
| MFG. APPR. | DD | TITLE SKIDTUBE | SCALE NTS |
| APPROVED | HS | <small>COPYRIGHT © 2013 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small> | |
| DE APPR. | DS | | |
| DATE | 15.11.02 | | |



NOTES:
1) MATERIAL: MAKE FROM D2962-150 EXTRUSION
2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: NONE
7) WEIGHT: 11.36 lbs

PRELIMINARY ISSUE

| | | | |
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| DRAWN | AP | | |
| CHECKED | AJS | DRAWING NO. | REV. E2 |
| MFG. APPR. | DD | D4680 | SHEET 3 OF 3 |
| APPROVED | HS | TITLE | SCALE |
| DE APPR. | DS | SKIDTUBE | NTS |
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